

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/014560 A1

(51) International Patent Classification⁷: **C07D 257/04**,
C07F 3/02, 5/02

Vittorio [IT/IT]; Via Don Candiani, 3, I-20097 San Donato
Milanese (IT).

(21) International Application Number:
PCT/EP2004/008576

(74) Agents: **MINOJA, Fabrizio** et al.; Bianchetti Bracco Mi-
noja S.r.l., Via Plinio, 63, I-20129 Milano (IT).

(22) International Filing Date: 30 July 2004 (30.07.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
MI2003A001638 8 August 2003 (08.08.2003) IT
MI2004A000929 7 May 2004 (07.05.2004) IT

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US):
DIPHARMA S.P.A. [IT/IT]; Via XXV Maggio, 40,
I-33036 Mereto di Tomba (IT).

(72) Inventors; and

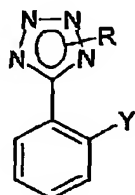
(75) Inventors/Applicants (for US only): **CASTALDI**,
Graziano [IT/IT]; Via Livia Gallina, 5, I-28072 Briona
(IT). **ALLEGRIINI, Pietro** [IT/IT]; Via Gorizia, 1, I-20097
San Donato Milanese (IT). **RAZZETTI, Gabriele** [IT/IT];
Via G. Puccini, 60, I-20099 Sesto S. Giovanni (IT).
BOLOGNA, Alberto [IT/IT]; Via Enrico Martino, 62-L,
I-26013 Crema (IT). **RASPARINI, Marcello** [IT/IT]; Via
Priaruggia, 11c-3, I-16030 Pieve Ligure (IT). **LUCCHINI**,

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A PROCESS FOR THE PREPARATION OF PHENYLTETRAZOLE DERIVATIVES



(II)

(57) Abstract: A process for the preparation of phenyltetrazole derivatives of formula (II) wherein R and Y are as defined in the disclosure, by direct ortho-metallation of (tetrazol-5-yl)benzene. The compounds of formula (II) are useful intermediates for the preparation of angiotensin II antagonists.

WO 2005/014560 A1